

13mer target: KPAKSARSVRSQR 27mer Library-encoded peptide: THTTSQTTLRDPDVYAGARWVTWRVGA

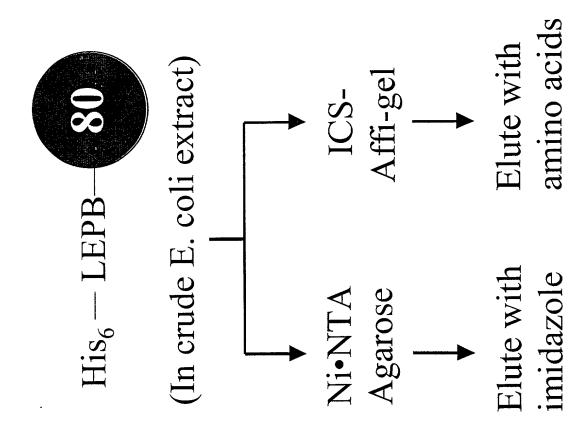
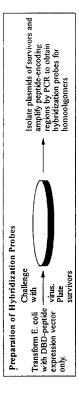


FIG. 3



Selection Protocol
Transform E. coli (JH372) with optimized DBD-target peptide and DBD-peptide library-encoding plasmids. Grow several generations.



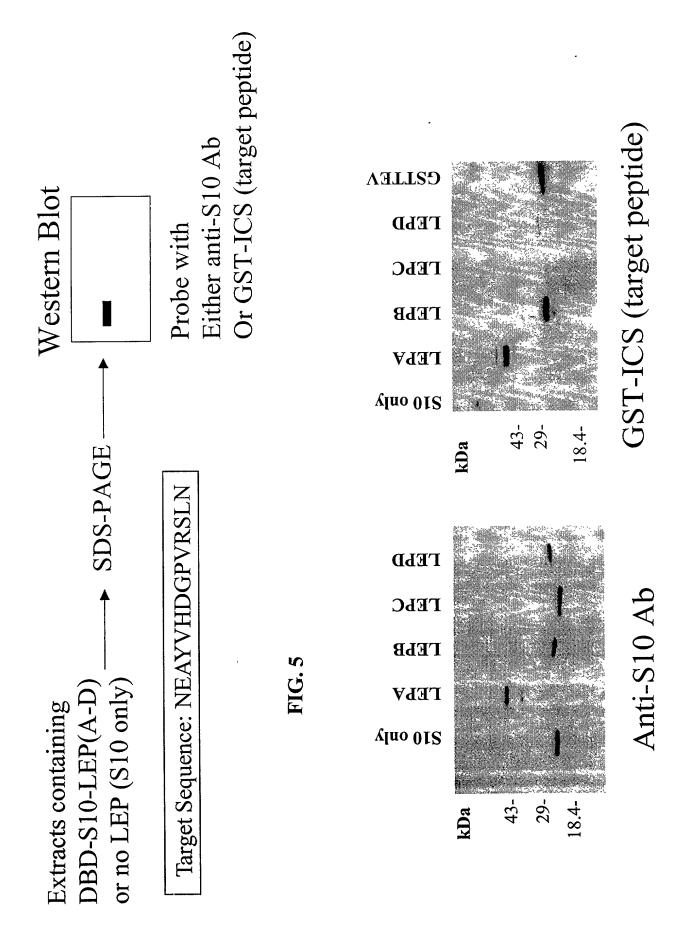
Plate and replica plate. Probe permeabilized cells with radioactive probes corresponding to homooligomeric peptide-encoding DNAs

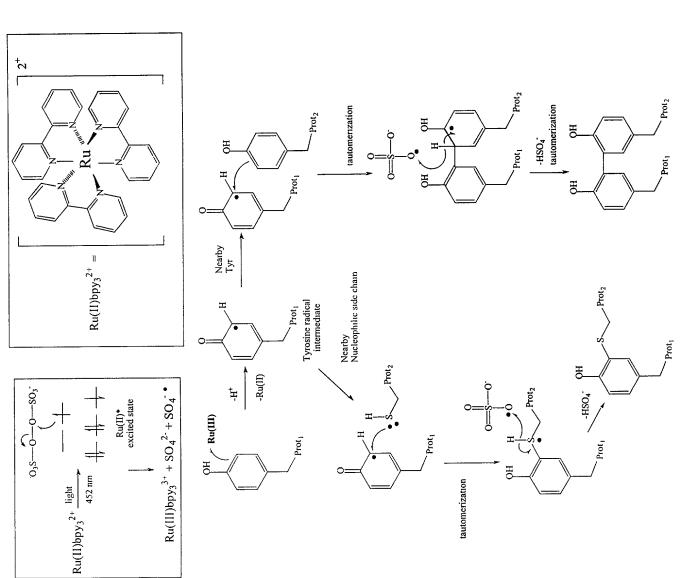


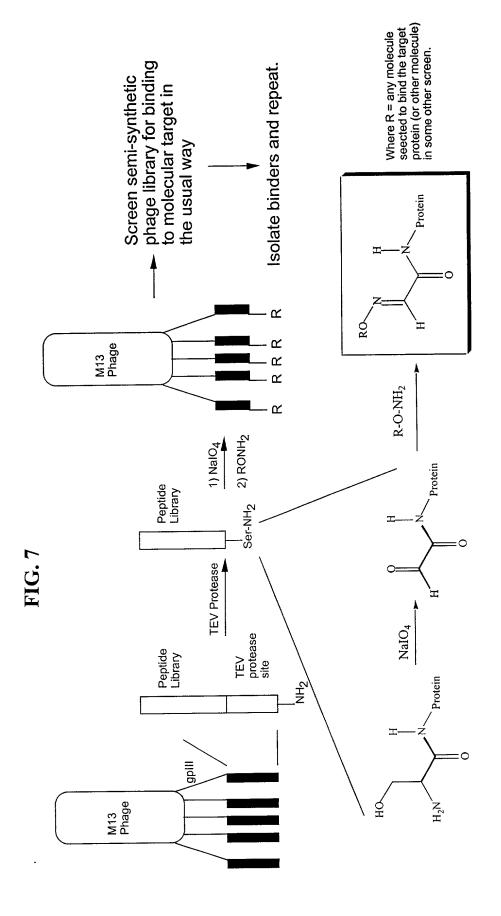
Pick colonies that do not light up for further analysis Isolate plasmids from individual colonies. Cure of target-encoding plasmid by cleavage with Fsel and digestion of linear DNA with T4 DNA polymerase. Retransform library-encoding plasmid into fresh JH372 cells. Plate on X-gal plates.

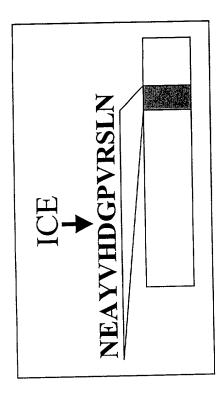
Discard. Represents homooligomer that peptide-peptide complexes slipped through the hybridization biochemically White colonies screen Analyze į. target plasmid. Plate on X-Isolate DBD-LEP-encoding fresh cells containing the plasmid. Transform into mutation in original Discard. Artifact due to promoter target-encoding gal indicator plates. plasmid. Blue colonies

FIG. 4









Pro-IL-1 β substrate

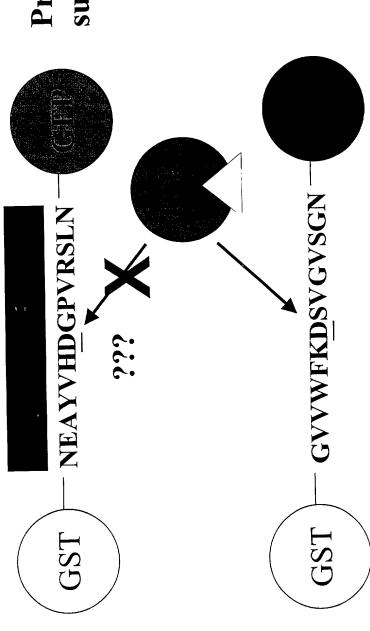


FIG. 8

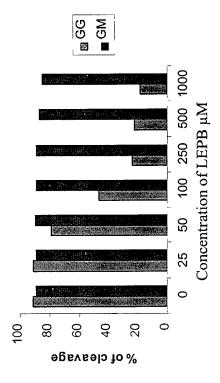


FIG. 5